

05-25-20

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**NON-PROVISIONAL  
UTILITY PATENT APPLICATION  
TRANSMITTAL - 37 CFR 1.53(b)**

☐ Duplicate  
(check, if applicable)

Assistant Commissioner for Patents  
**BOX PATENT APPLICATION**  
Washington, DC 20231

**Attorney Docket No. 10147-6U1 (MBIO99-030)**  
**First Named Inventor: Sean A. McCarthy**  
**Express Mail Label No. EL474258875US**  
**Total Pages of Transmittal Form: 2**

Transmitted herewith for filing is the non-provisional utility patent application entitled:

**NOVEL GENES ENCODING PROTEINS HAVING DIAGNOSTIC, PREVENTIVE,  
THERAPEUTIC, AND OTHER USES**

which is:

an ☐ Original; or

a' ☐ Continuation, ☐ Divisional, or ☒ Continuation-in-part (CIP)  
of prior Application No. 09/333,159 filed June 14, 1999.

☐ This non-provisional patent application is based on Provisional Patent Application  
No. \_\_\_\_\_, filed \_\_\_\_\_.

Enclosed are:

- ☒ Specification (including Abstract) and claims: 171 pages.
- ☒ Non-executed Declaration.
- ☐ Copy of Declaration from prior application.
- ☐ Separate Power of Attorney (including 37 CFR 3.73(b) statement, if applicable).
- ☒ 96 sheets of drawings (formal).
- ☐ Microfiche computer program (Appendix).
- ☒ Nucleotide and/or Amino Acid Sequence Submission, including:
  - ☒ Computer readable copy ☒ Paper Copy ☒ Verified Statement.
- ☐ Under PTO-1595 cover sheet, an assignment of the invention.
- ☐ Certified copy of Application No. \_\_\_\_\_, filed \_\_\_\_\_ is filed:
  - ☐ herewith or ☐ in prior application \_\_\_\_\_.
- ☐ Verified Statement Claiming Small Entity Status under 37 CFR 1.9 and 1.27.
  - ☐ was filed in the prior non-provisional application, and such status is still proper and desired (37 CFR 1.28(a));
  - ☐ is enclosed herewith; ☐ is no longer desired.
- ☐ Preliminary Amendment.
- ☐ Information Disclosure Statement, PTO-1449, and cited references.
- ☐ Other:

JC816 U.S. PTO  
05/24/00

JC816 U.S. PTO  
09/578063  
05/24/00

09578063-052400

The filing fee has been calculated as shown below:

			SMALL ENTITY			LARGE ENTITY	
CLAIMS	NO. FILED	NO. EXTRA	BASIC FEE: \$345			BASIC FEE: \$690	
Total	23-20 =	3	X9	\$	OR	X18	\$ 54.00
Independent	2- 3 =	0	X39	\$	OR	X78	\$
Multiple Dependent Claims Present: &@			\$130	\$	OR	\$260	\$
			<b>TOTAL</b>	\$	OR	<b>TOTAL</b>	\$ 744.00

The Commissioner is hereby authorized to charge payment of the following fees or credit any overpayment to Deposit Account No. 50-1017. One additional copy of this sheet is enclosed.

- ☒ The above calculated filing fee \$744.00 (Billing No. 210147.0023).
- ☒ Any additional fees required under 37 C.F.R. § 1.16.
- ☒ Any additional fees required under 37 C.F.R. §1.17.
- ☒ If the filing of any paper during the prosecution of this application requires an extension of time in order for the paper to be timely filed, applicant(s) hereby petition(s) for the appropriate extension of time pursuant to 37 C.F.R. §1.136(a).

**CORRESPONDENCE ADDRESS:**

May 24, 2000  
(Date)

By:

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Enclosures